

II. Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-31 (Cancelled)

32. (Currently Amended) A method of exchanging data between a vehicle and at least one data exchange site, comprising the steps of:

providing the vehicle with a communication unit configured to collect vehicle operational data from selected components thereof and to exchange data with the data exchange site[[,]] ; and

providing the vehicle with a transmitter and receiver capable of transmitting and receiving messages under an SNMP protocol, to transmit messages representative of the vehicle operational data to the data exchange site.

33. (Original) A method as defined in claim 32 wherein the at least one data exchange site includes a neighboring vehicle.

34. (Currently Amended) A method as defined in claim 33, further comprising the steps of

- [[-]] exchanging discovery signals with neighboring vehicles; and
- [[-]] exchanging status data with selected ones of the neighboring vehicles.

Claims 35-36

37. (Currently amended) A system for transferring data between a vehicle and a data exchange site, comprising:

- (i) a communication unit located onboard the vehicle to collect vehicle operational data from selected components of the vehicle and to exchange data with the data exchange site under an SNMP protocol, the communication unit including an interface to an IEEE 802.11 data link;

- (ii) an IEEE 802.11 Access Point acting as an IPv6 router and a foreign mobility agent for the communication unit; and

- (iii) an interface to a non-wireless subnetwork to route mobile-terminated traffic through the IEEE 802.11 Access Point for the communication unit to exchange vehicle operational data with the data exchange site.

38. (Currently amended) The system according to claim 37, wherein the data exchange site comprises ~~is~~ a

regulatory agency, and wherein the vehicle is operable to exchange Internet traffic with the regulatory agency when a data link is established between the vehicle and the Access Point.

39. (Currently amended) The system according to claim 38, wherein the data exchange site comprises ~~is~~ another vehicle.

Claims 40-46 (Cancelled)

47. (Currently Amended) A method as defined in claim 32, further comprising the steps of:

providing at least two data links between the vehicle and the data exchange site;
measuring impedance on each data link; and
transmitting said vehicle operational data across the data link having the lowest impedance.

48. (Currently Amended) A method as defined in claim 47 wherein said data links comprise ~~are~~ wireless links.

49. (Previously Presented) A method as defined in claim 47 wherein a first of said data links is established on a Spread Spectrum band.

50. (Previously Presented) A method as defined in claim 47 wherein one of said data links is a satellite RF packet network.

51. (Currently Amended) A method as defined in claim 32, further comprising the steps of:

connecting the transmitter and receiver with a first 802.11 node; and

connecting the data exchange site with a second 802.11 node to form a data link between the first and second 802.11 nodes.

52. (Previously Presented) A method as defined in claim 51 wherein said vehicle is Internet addressable.

53. (Previously Presented) A method as defined in claim 32 wherein both said vehicle and the data exchange site communicate over a data link operable under an IEEE 802.11 protocol.

54. (Previously Presented) A method as defined in claim 53 wherein the vehicle is IPv6 addressable.

Claims 55-56 (Cancelled)